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OIPE

RAW SEQUENCE LISTING

DATE: 01/28/2002

PATENT APPLICATION: US/10/010,229

TIME: 11:32:05

Input Set : N:\Crf3\RULE60\10010229.raw

Output Set: N:\CRF3\01282002\J010229.raw

1 <110> APPLICANT: Le, Junming
 2 Vilcek, Jan
 3 Daddona, Peter
 4 Ghrayeb, John
 5 Knight, David M.
 6 Siegel, Scott
 7 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 8 Human Tumor Necrosis Factor
 9 <130> FILE REFERENCE: 0975.1005-013
 10 <140> CURRENT APPLICATION NUMBER: 10/010,229
 11 <141> CURRENT FILING DATE: 2001-12-07
 12 <150> PRIOR APPLICATION NUMBER: US/09/927,703
 13 <151> PRIOR FILING DATE: 2001-08-10
 15 <160> NUMBER OF SEQ ID NOS: 19
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 157
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 22 <400> SEQUENCE: 1
 23 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 24 1 5 10 15
 25 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
 26 20 25 30
 27 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
 28 35 40 45
 29 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
 30 50 55 60
 31 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
 32 65 70 75 80
 33 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
 34 85 90 95
 35 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
 36 100 105 110
 37 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
 38 115 120 125
 39 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
 40 130 135 140
 41 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
 42 145 150 155
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 321
 46 <212> TYPE: DNA

ENTERED

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47 <213> ORGANISM: Mus Balb/c

48 <220> FEATURE:

49 <221> NAME/KEY: CDS

50 <222> LOCATION: (1)...(321)

51 <400> SEQUENCE: 2

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52      gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga      48
53      Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
54      1          5          10          15
55      gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc      96
56      Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
57      20          25          30
58      atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata      144
59      Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
60      35          40          45
61      aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc      192
62      Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
63      50          55          60
64      agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct      240
65      Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
66      65          70          75          80
67      gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc      288
68      Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
69      85          90          95
70      acg ttc ggc tcg ggg aca aat ttg gaa gta aaa      321
71      Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
72      100          105

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74 <210> SEQ ID NO: 3

75 <211> LENGTH: 107

76 <212> TYPE: PRT

77 <213> ORGANISM: Mus Balb/c

78 <400> SEQUENCE: 3

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79      Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
80      1          5          10          15
81      Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
82      20          25          30
83      Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
84      35          40          45
85      Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
86      50          55          60
87      Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
88      65          70          75          80
89      Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
90      85          90          95
91      Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
92      100          105

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94 <210> SEQ ID NO: 4

95 <211> LENGTH: 357

96 <212> TYPE: DNA

97 <213> ORGANISM: Mus Balb/c

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98 <220> FEATURE:

99 <221> NAME/KEY: CDS

100 <222> LOCATION: (1)...(357)

101 <400> SEQUENCE: 4

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102   gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga   48
103   Glu Val Lys Leu Glu Glu Ser Gly Gly Leu Val Gln Pro Gly Gly
104   1      5      10      15
105   tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac   96
106   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
107   20      25      30
108   tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt   144
109   Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
110   35      40      45
111   gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag   192
112   Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
113   50      55      60
114   tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct   240
115   Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
116   65      70      75      80
117   gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat   288
118   Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
119   85      90      95
120   tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa   336
121   Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
122   100      105      110
123   ggc acc act ctc aca gtc tcc   357
124   Gly Thr Thr Leu Thr Val Ser
125   115

```

127 <210> SEQ ID NO: 5

128 <211> LENGTH: 119

129 <212> TYPE: PRT

130 <213> ORGANISM: Mus Balb/c

131 <400> SEQUENCE: 5

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132   Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
133   1      5      10      15
134   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
135   20      25      30
136   Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
137   35      40      45
138   Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
139   50      55      60
140   Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
141   65      70      75      80
142   Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
143   85      90      95
144   Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
145   100      105      110
146   Gly Thr Thr Leu Thr Val Ser
147   115

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Input Set : N:\Crf3\RULE60\10010229.raw
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149 <210> SEQ ID NO: 6
150 <211> LENGTH: 8
151 <212> TYPE: PRT
152 <213> ORGANISM: Homo sapiens
153 <400> SEQUENCE: 6
154     Gly Thr Leu Val Thr Val Ser Ser
155         1               5
157 <210> SEQ ID NO: 7
158 <211> LENGTH: 7
159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
161 <400> SEQUENCE: 7
162     Gly Thr Lys Leu Glu Ile Lys
163         1               5
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 20
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: PCR oligonucleotides
171 <400> SEQUENCE: 8
172     cctggatacc tgtgaaaaga
174 <210> SEQ ID NO: 9
175 <211> LENGTH: 27
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: PCR oligonucleotides
180 <400> SEQUENCE: 9
181     cctggtacct tagtcaccgt ctctca
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 27
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: PCR oligonucleotides
189 <400> SEQUENCE: 10
190     aatagatatc tccttcaaca cctgcaa
192 <210> SEQ ID NO: 11
193 <211> LENGTH: 21
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: PCR oligonucleotides
198 <400> SEQUENCE: 11
199     atcgggacaa agttggaaat a
201 <210> SEQ ID NO: 12
202 <211> LENGTH: 16
203 <212> TYPE: DNA

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Input Set : N:\Crf3\RULE60\10010229.raw

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```

204 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: PCR oligonucleotides
207 <400> SEQUENCE: 12
208      ggcggtctgg taccgg                                16
210 <210> SEQ ID NO: 13
211 <211> LENGTH: 19
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: PCR oligonucleotides
216 <400> SEQUENCE: 13
217      gtcaacaaca tagtcatca                                19
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 23
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: PCR oligonucleotides
225 <400> SEQUENCE: 14
226      cacaggtgtg tccccaagga aaa                            23
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 18
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: PCR oligonucleotides
234 <400> SEQUENCE: 15
235      aatctggggg aggcaaca                                18
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 17
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: PCR oligonucleotides
243 <400> SEQUENCE: 16
244      agtgtgtgtc cccaagg                                17
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 24
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides
252 <400> SEQUENCE: 17
253      cacagctgcc cgcccaggtg gcat                            24
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 17
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,229

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Input Set : N:\Crf3\RULE60\10010229.raw

Output Set: N:\CRF3\01282002\J010229.raw